RFID
Integrated Solutions

LIFECYCLE
SOLUTIONS

RFID
INTEGRATED SOLUTIONS

PIONEERING SOLUTIONS TO CHANGE THE INDUSTRY

The ability to act upon information is vital to the success of an airline. Effective management of your assets is one way of doing this. Automated Identification Technology (AIT) refers to technologies that have the capability to identify, store, read, and integrate information of assets, making parts management more efficient.

Technologies such as Radio Frequency Identification (RFID) and Contact Memory Button (CMB) are both forms of AIT. Once securely attached, individual assets enable the storage of their own maintenance, repair history, and other pertinent information, making it accessible at point of use.

We understand that today's airlines encounter vast challenges every day. Boeing RFID Integrated Solutions give you a strong new strategy focused on improving your operational visibility and efficiency.

Boeing's airplane manufacturing knowledge, as well as our exclusive relationship with Fujitsu, enables RFID Integrated Solutions with the most advanced AIT technologies and in-depth airplane and components knowledge. It also provides a comprehensive alternative maintenance program and comprehensive training program. Our regulatory expertise provide robust solutions for:

- Remote identification, tracking, and maintenance of components
- Interior lifecycle management, component lifecycle management and airframe lifecycle management

HOW RFID INTEGRATED SOLUTIONS WORK

Tailored sets of hardware and software applications will be designed and delivered to enable efficient operations. The modules include:

RFID Interior Lifecycle
- Emergency Equipment Management
- Linen and Tapestry Management

RFID Component Lifecycle
- Rotables Management
- Repairables Management

RFID Airplane Lifecycle
- Airframe Degradation Management

Boeing's detailed design knowledge and in-service experience, as well as our close relationship and valuable input from our airline customers, let you realize significant cost savings and efficiencies via:

- Increased mechanic/technician capacity
- Reduced operational errors
- Increased visibility of operations and information
- Fast regulatory compliance assessment
- Reduced spares/in-process duration
- Increased mechanic/technician safety

Key significance of Boeing's RFID Integrated Solutions includes compliance with current regulatory requirements and standards.

- FAA—Advisory Circular AC20-162, Airworthiness Approval and Operational Allowance of RFID Systems
- ISO—ISO 18000-6C compliant RFID equipment
- ATA—Spec 2000 Chapter 9 RFID data standard
- SAE—Society of Automotive Engineers Aerospace Standard AS5678
- ARINC—ARINC 673 developed and in approval process for implementation guidelines

You can realize savings and efficiencies almost immediately when you reduce the amount of time that your maintenance crew currently uses during inspections and other maintenance and supply chain activities. And watch the benefits continue as you expand our solutions across your Boeing and non-Boeing fleets!

A key element of RFID Integrated Solutions is the support of the OEM. We provide our 24x7 center of excellence technical support during the lifecycle of the program.

Anticipate future growth and technology development.
Our RFID Integrated Solutions are designed to adopt and leverage the latest technological advancements as they become available.

How can Boeing help improve the efficiency of your operation?
Boeing offers a wide range of services to help customers optimize their operations. Let us partner with you to identify and quantify the best opportunities for you to improve your operational efficiencies with the RFID Integrated Solutions.

To find out more about the Boeing RFID Integrated Solutions, visit www.boeing.com/commercial/aviationservices or send an e-mail to grpdigital@boeing.com.

MULTIPLE INTEGRATED DELIVERABLES

Engineering / Regulatory Oversight	• OEM technical oversight • Regulatory-approved methods
Integrated Hardware Solution	• World's only 64-KB Passive UHF RFID • The latest AIT technologies by Fujitsu exclusively through Boeing • RFID, contact memory, linear and 2D bar code • Hand-held and fixed readers
Software Applications	• Unique Boeing software applications • Interactive user interface: intuitive, simple to use • Report generation and printing
Training Program	• Literature and comprehensive syllabus • Training aids and simulators; on-site, hands-on training • Recurring or train-the-trainer programs
Maintenance Program Integration	• Maintenance program transformation • Regulatory-approved compliance • Airline-validated approach • Task Card reduction

BOEING

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